

## Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of claims:

1. (currently amended) A method for controlling operation of an ~~electromechanical~~ electrically actuated valve in a cylinder of an internal combustion engine, the method comprising:

during engine operation, deactivating the ~~electromechanically~~ electrically actuated valve under a first set of conditions of the ~~electromechanically~~ electrically actuated valve; and

during engine operation, activating the ~~electromechanically~~ electrically actuated valve under a second set of conditions of the ~~electromechanically~~ electrically actuated valve.

2. (currently amended) The method of Claim 1 wherein said first set of conditions comprises a temperature indicative of a high valve temperature of said ~~electromechanically~~ electrically actuated valve.

3. (currently amended) The method of Claim 1 wherein said first set of conditions comprises a temperature indicative of a low valve temperature of said ~~electromechanical~~ electrically actuated valve.

4. (currently amended) The method of Claim 1 wherein said first set of conditions comprises an impedance indicative of a high valve impedance of said ~~electromechanically~~ electrically actuated valve.

5. (currently amended) The method of Claim 1 wherein said first set of conditions comprises an impedance indicative of a low valve impedance of said ~~electromechanically~~ **electrically** actuated valve.

6. (currently amended) A method for controlling operation of an ~~electromechanical~~ **electrically** actuated valve in a cylinder of an internal combustion engine, the method comprising:

determining at least an operating condition of said ~~electromechanically~~ **electrically** actuated valve;

evaluating whether to operate said ~~electromechanically~~ **electrically** actuated valve in said cylinder based on said determined operating condition; and

maintaining said ~~electromechanically~~ **electrically** actuated valve deactivated during a cycle of said cylinder based on said evaluation.

7. (currently amended) The method of Claim 6 wherein said operating condition is a temperature of a valve actuator coupled to at least one of said ~~electromechanically~~ **electrically** actuated valves.

8. (original) The method of Claim 7 wherein said valve actuator is comprised of at least an armature, a coil, and a core.

9. (currently amended) The method of Claim 6 wherein said operating condition is an impedance of at least one of said ~~electromechanically~~ **electrically** actuated valves.

10. (original) The method of Claim 6 wherein said operating condition is a temperature of at least one of said valves.

11. (currently amended) The method of Claim 6 wherein said operating condition is an amount of power consumed by at least one of said ~~electromechanically~~ **electrically** actuated valves.

12. (original) The method of Claim 6 wherein said operating condition of said internal combustion engine is a time since start of said internal combustion engine.

13. (currently amended) A method for controlling operation of ~~electromechanically~~ **electrically** actuated valves in a cylinder of an internal combustion engine, the method comprising:

determining at least an operating condition of at least one of the ~~electromechanically~~ **electrically** actuated valves;

during at least one condition selecting at least one of the ~~electromechanically~~ **electrically** actuated valves based on said determined operating condition; and

deactivating said selected valves during operation of the engine.

14. (currently amended) The method of Claim 13 wherein said operating condition is a temperature of a valve actuator coupled to at least one of said ~~electromechanically~~ **electrically** actuated valves.

15. (original) The method of Claim 14 wherein said valve actuator is comprised of at least an armature, a coil, and a core.

16. (currently amended) The method of Claim 13 wherein said operating condition is an impedance of at least one of said ~~electromechanically~~ **electrically** actuated valves.

17. (currently amended) The method of Claim 13 wherein said operating condition is an amount of power consumption of at least one of said ~~electromechanically~~ **electrically** actuated valves.

18. (currently amended) A method for controlling at least an ~~electromechanically~~ **electrically** actuated valve to operate in at least a cylinder of an internal combustion engine, the method comprising:

determining an operating condition of said ~~electromechanically~~ **electrically** actuated valve;

determining an operating condition of said internal combustion engine;

evaluating whether to operate said ~~electromechanically~~ **electrically** actuated valve in said cylinder based on said operating condition of said ~~electromechanically~~ **electrically** actuated valve and said engine operating condition; and

operating said ~~electromechanically~~ **electrically** actuated valve during a cycle of said cylinder based on said evaluation.

19. (original) The method of Claim 18 wherein said operating condition of said internal combustion engine is a time since start of said internal combustion engine.

20. (original) The method of Claim 18 wherein said operating condition of said internal combustion engine is a desired engine torque.

21. (original) The method of Claim 18 wherein said operating condition of said internal combustion engine is a predicted desired engine torque.

22. (original) The method of Claim 18 wherein said operating condition of said internal combustion engine is the speed of said internal combustion engine.

23. (original) The method of Claim 18 wherein said operating condition of said internal combustion engine is the predicted speed of said internal combustion engine.

24. (original) The method of Claim 18 wherein said operating condition of said internal combustion engine is a temperature of said internal combustion engine.

25. (currently amended) The method of Claim 18 wherein said operating condition of said ~~electromechanically~~ **electrically** actuated valve is a temperature of a valve actuator coupled to said ~~electromechanically~~ **electrically** actuated valve.

26. (currently amended) The method of Claim 18 wherein said operating condition of said ~~electromechanically~~ **electrically** actuated valve is an amount of power consumed by said ~~electromechanically~~ **electrically** actuated valve.

27. (original) The method of Claim 18 wherein said operating condition of said internal combustion engine is an amount of fuel consumed by said internal combustion engine.

28. (currently amended) The method of Claim 18 wherein said operating condition of said ~~electromechanically~~ **electrically** actuated valve is an amount of current used to actuate said ~~electromechanically~~ **electrically** actuated valve.

29. (currently amended) A method for controlling at least an ~~electromechanically~~ electrically actuated valve to operate in at least a cylinder of an internal combustion engine, the method comprising:

determining an operating time of said ~~electromechanically~~ electrically actuated valve;

determining an operating condition of said internal combustion engine;

adjusting opening and closing timing of said ~~electromechanically~~ electrically actuated valve in said cylinder based on said operating time and said engine operating condition; and

operating said ~~electromechanically~~ electrically actuated valve during a cycle of said cylinder based on said evaluation.

30. (currently amended) A method for controlling at least an ~~electromechanically~~ electrically actuated valve to operate in at least a cylinder of an internal combustion engine, the method comprising:

determining an number of opening and closing events of said ~~electromechanically~~ electrically actuated valve;

determining an operating condition of said internal combustion engine;

adjusting opening and closing timing of said ~~electromechanically~~ electrically actuated valve in said cylinder based on said determined number of opening and closing events and said engine operating condition; and

operating said ~~electromechanically~~ electrically actuated valve during a cycle of said cylinder based on said evaluation.

31. (currently amended) A computer readable storage medium having stored data representing instructions executable by a computer to control an internal combustion engine of a vehicle, said storage medium comprising:

instructions for during engine operation, deactivating the ~~electromechanically~~ electrically actuated valve under a first set of conditions of the ~~electromechanically~~ electrically actuated valve; and

during engine operation, activating the ~~electromechanically~~ electrically actuated valve under a second set of conditions of the ~~electromechanically~~ electrically actuated valve.